26th AGM - 2023 - WSL -Switzerland - PROGRAMME

DATE	TIME	PERSON(S)	TITLE	
Thursday 9th February 2023	9:00	D. Farinotti, M. Lüthi, T. Shaw	**Welcome, General Information and HouseKeeping**	
	9:15	*Magnus Magnusson*	An update on the IGS	
	9:30	*Guillaume Jouvet*	Overview and capabilities of IGM, a glacier evolution model boosted by deep-learning	
	9:45	*Lilian Schuster*	Glacier projections sensitivity to temperature-index model and climate downscaling parameter calibration choices	
	10:00	*Livia Jakob*	GlaMBIE – An intercomparison exercise of regional and global glacier mass changes	
	10:15	*Luc Beraud*	Glacier-wide seasonal and annual geodetic mass balances from Pléiades stereo images of the Glacier d'Argentière, French Alps.	
	10:30	*Liss M. Andreassen*	Changes of Jostedalsbreen - Norway's largest ice cap	
	10:45-11:30		**COFFEE BREAK**	
	11:30	*Christoph Mayer*	Snow, clouds and sun, the ingredients for extreme mass balance events	
	11:45	*Niklas Richter*	Improving understanding of regional drivers of glacier surface energy balance	
	12:00	*Atsumu Ohmura*	Alpine Glaciers in Changing Climate-especially on the role of longwave downwelling radiation	
	12:15	*Franziska Temme*	Modelling Surface Mass Balance in the Furious Fifties: Monte Sarmiento Massif, Tierra del Fuego, Chile	
	12:30	*Samuel Nussbaumer*	Long-term response of the mountain cryosphere to climate change – a comparative perspective of the Andes of central Chile and the European Alps	
	12:45 - 14:00		**Information - LUNCH**	
	14:00	*Christian Sommer*	Constraining regional glacier reconstructions using past ice thickness of deglaciating areas – a case study in the European Alps	
	14:15	*Johannes Reinthaler*	Reconstructing the Little Ice Age glacier surface	
	14:30	*Aleksandra Osika*	Fluctuations of glaciers in Svalbard from radiocarbon dating and numerical modeling	
	14:45 - 15:15		**COFFEE BREAK**	
	15:15	*Nina Kirchner*	Tarfala Research Station (TRS): Current Activities	
	15:30	*Federico Covi*	Spatio-Temporal Variations of Blue Slush and Water Flow in the Percolation Zone of Greenland: the Role of Local Topography	
	15:45	*Oskar Herrmann*	Out-of-the-box application of deeplearning for calving front detection.	
	16:00	*Hugo Rosseau*	Modelling discontinuties in ice flow using a Material Point Method	
	16:15 - 16:30		**MINI BREAK**	
Short Talk Session	16:30	*Etienne Berthier*	How summer 2022 affected Mont-Blanc glaciers. Observations from Pléiades and Pléiades Neo satellite stereo-images.	
	16:35	*Marco Giardino*	Decade ablation and 2022 sudden collapses within the Miage debris-covered glacier (Mon Blanc)	
	16:40	*Kay Helfricht*	The 2022 suspended sediment transport in glacier fed streams	
	16:45	*Lander van Tricht*	UAV to measure the extreme 2021/22 balance season on the Morteratsch – Pers glacier complex	
	16:50	*Nicolas Eckert*	Extreme value analysis of the 2022 crazy summer: insight from the Sarennes series	
	16:55	*Andrea Fischer*	Monitoring extreme melt on glaciers and rock glaciers: How to be prepared	
	17:00	*Isabelle Gärtner-Roer*	Surprising rockglacier velocities in the summer of 2022	
	17:05 - 18:30		**Information about Dinner - POSTERS**	
	19:00 onward		**Dinner in Zürich**	

DATE	TIME	PERSON(S)	TITLE	
Friday 10th February 2023	8:30	D. Farinotti, M. Lüthi, T. Shaw	**General Information**	
	8:45	*Saurabh Vijay*	New initiatives to resolve lesser known glacier and glacial lakes change in the Indian Himalayas	
	9:00	*Marta Chiarle*	The 2022 Marmolada Glacier failure in the framework of historical glacier instability in the Italian Alps	
	9:15	~~*Thomas Chen*~~	[no show]	
	9:30	*Davide Fugazza*	Documenting the demise of Forni Glacier from repeat UAV surveys 2014-2022	
	9:45	*Martin Rückamp*	Modelling the future evolution of an alpine debris-covered glacier	
	10:00	*Michael Zemp*	Temporal interpolation of glaciological mass-balance observations	
	10:15-11:15		**COFFEE BREAK with POSTERS**	
	11:15	*Akash Patil*	Improved volume-to-mass conversion of Alpine Glacier by new density scenarios	
	11:30	*Adrien Gilbert*	Inferring the Basal Friction Law from long term observations of Glacier Length, Thickness and Velocity changes on an Alpine Glacier	
	11:45	*Samuel Cook*	Alpine ice thickness estimation using deep-learning-driven emulation of Stokes	
	12:00	*Anuar Togaibekov*	Rain-induced transient variations in glacier dynamics characterized by a continuous and dense GPS network at the Glacier d'Argentière	
	12:15	*Mylène Jacquemart*	Playing It Cool: A global englacial temperature database (glenglat)	
	12:30	*Juan Pedro Roldan Blasco*	Deformation, creep enhancement and sliding in a temperate alpine glacier	
	12:45-14:00		**LUNCH**	
	14:00	*Livia Permattei*	Glacier elevation changes from spaceborne optical data using single and multi-DEM approaches	
	14:15	*Fanny Brun / RAGMAC WG1*	Observing glacier elevation changes from spaceborne optical and radar sensors – lessons learned from an intercomparison experiment using ASTER and TanDEM-X data	
	14:30	*Noel Gourmelen*	Global glacier mass balance and mass balance partitioning from radar altimetry	
	14:45 - 15:45		**COFFEE BREAK with POSTERS**	
	15:45	*Roger Braithwaite*	Record high glacier melting in the Alps Summer 2022 but summer temperatures were not as high as in 2003	
	15:50	*Aaron Cremona*	Extraordinary melt rates for the Swiss glaciers in summer 2022: more than half of the average summer mass loss in only 25 days	
Short Talk Session	15:55	*Bastien Ruols*	Impressions from the field : our journey to Otemma.	
	16:00	*Lea Hartl*	Summer 2022 at Jamtalferner, AT	
	16:05	*Annelies Voordendag*	The glacier loss day as indicator for extreme glacier melt in 2022	
	16:10	*Enrico Mattea*	Colle Gnifetti: giving the firn a wash	
	16:15	*Marit van Tiel*	The downstream travel of the extreme glacier melt in 2022	
	16:20	*Matthias Huss*	How it feels to witness the disappearance of a glacier	
	16:25 - 16:35		**CLOSING OF MEETING**	

Chair: Evan Miles

Thomas Shaw

Martin Lüthi

Yongmei Gong

Marit van Tiel

Chair: Marin Kneib

Andreas Vieli

Inés Dussaillant

Thomas Shaw

26th AGM - 2023 - WSL -Switzerland - Poster Presentations

NUMBER	PRESENTER NAME		PRESENTATION TITLE
1	**Dominik**	**Amschwand**	The 2020-2022 surface energy balance of rock glacier Murtèl: the role of rain and snow.
2	**Molly**	**Arndt**	Using OGGM to determine the future of glacier runoff in La Paz, Bolivia
3	**Pascal**	**Buri**	On the importance of vapor fluxes for the water balance of a high elevation Himalayan catchment
4	**Audrey**	**Goutard**	Impact of the snow/rain transition on glacier mass balances over the 21st century : context and early results on the Zongo glacier (Bolivia).
5	**Arbindra**	**Khadka**	Energy and mass balance of Mera glacier and its sensitivity to climate
6	**Matteo**	**Guidicelli**	Spatio-temporal reconstruction of continuous snow water equivalent with a combined data assimilation and machine learning approach
7	**Susanne**	**Schmidt**	Seasonal Variability and Long-term Changes of the Cryosphere in the Trans-Himalaya of Ladakh, India
8	**Lizz**	**Ultee**	Glacier model dependence of 21st century glacial runoff projections
9	**Anouk**	**Volery**	Spatio-temporal variability of bare-ice albedo of glaciers in Central Asia and its link to mass balance
10	**Harry**	**Zekollari**	How do various types of mass balance observations affect modelled future glacier evolution?
11	**Yongmei**	**Gong**	Glacier impacts On The Hydrological systems in Europe and Central Asia (GOTHECA)
12	**Jorge**	**Berkhoff**	Thermal Regime of Glacial Lakes in the Exploradores Valley, Norther Patagonia Icefields, Chile.
13	**Bo**	**Cao**	Dynamic interactions between glacier and proglacial lake: a case study at a rapidly expanding proglacial lake in High Mountain Asia
14	**Jessica**	**Droujko**	Low-cost sensor network for suspended sediment monitoring: a proof-of-concept study on the Spöl river, Switzerland
15	**Annika**	**Granebeck**	Life at Tarfala Research Station
16	**Florian**	**Hardmeier**	Emergence and development of the proglacial lakes of Witenwasserengletscher, Switzerland
17	**Debasmita**	**Majumder**	Glacial Lakes Inventory for 4 Decades (1975-2021) in the Northern Part of Sikkim State of Indian Himalayan Region
18	**Astrid**	**Lambrecht**	The relation of storage and discharge at Vernagtferner for different mass balance conditions
19	**Marcus**	**Nüsser**	Cryosphere changes and local adaptation strategies: socio-hydrological case studies from the Trans-Himalaya of Ladakh, India
20	**Mohd**	**Soheb**	Glacier Change and its socio-hydrological dimensions in Ladakh, India
21	**Jane**	**Walden**	Investigating the impact of glacier retreat on slope instabilities in southern Alaska
22	**Will**	**Wenban**	The importance of icefalls
23	**Jordi**	**Bolibar**	Functional Inversion of Glacier Rheology from Ice Velocities using ODINN.jl
24	**Stefanie**	**Börsig**	R-channel laboratory experiments: data evaluation and numerical simulations
25	**Martin**	**Hoelzle**	New and old long-term permafrost boreholes in the Inner Tien Shan, Kyrgyzstan
26	**Mamta**	**K C**	A Neural Network Emulator for Full-Stoke Glacier Flow

27	**Johanna**	**Klahold**	Drone-based glacier GPR data acquisition: a summary of the 2022 fieldwork season
28	**Lukas**	**Langhamer**	Response of short-term fluctuation of ice flow, calving flux and glacier retreat on atmospheric forcing at Cordillera Darwin from 2015-2022
29	**Boris**	**Ouvry**	Development of supraglacial meltwater streams and their influence on the morphology of debris-covered glacier surfaces
30	**Vincent**	**Peyaud**	Modeling Mont-Blanc glaciers dynamics
31	**Darrel A.**	**Swift**	Ice-bed stabilising feedbacks at Findelengletscher, Switzerland, and their significance for drainage system structure and recent (post-2016) terminus retreat
32	**Ivan**	**Utkin**	Coupled thermo-hydro-mechanical modeling of polythermal glaciers
33	**Dagmar**	**Brombierstäudl**	Aufeis in the Upper Indus Basin – Compilation of an inventory based on satellite imagery
34	**Fanny**	**Brun**	Investigating the recent changes of South Col Glacier (Everest region)
35	**Martina**	**Di Rita**	High-resolution High-accuracy Orthophoto Map of Forni Glacier tongue from UAV photogrammetry
36	**Theresa**	**Dobler**	UAV (Unmanned Aerial Vehicle) and stake measurements to investigate the formation and development of crevasses on Vernagtferner.
37	**Ines**	**Dussaillant**	An annual mass balance estimate for each of the world's glaciers based on observations.
38	**Dilara**	**Kim**	Sub-seasonal snowline dynamics of glaciers in Central Asia from multi-sensor satellite observations, 2000-2021
39	**Marin**	**Kneib**	Remote sensing of avalanches on mountain glaciers
40	**Andreas**	**Linsbauer**	The New Swiss Glacier Inventory SGI2016: From a Topographical to a Glaciological Dataset
41	**Taisiya**	**Dymova**	Future evolution of the debris cover on the glaciers in the Northern Caucasus.
42	**Alexander Raph**	**Groos**	Mapping supraglacial debris thickness with UAVs
43	**Evan**	**Miles**	Mapping debris covered glacier hotspots at the regional scale
44	**Frank**	**Paul**	Glacier extents in Peru and Bolivia are overestimated In RGIv6 by 25%
45	**VIJAYA KUMAR**	**THOTA**	Feasibility of using Sentinel-1 data for resolving ice velocity of glaciers in High Mountain Asia
46	**Rory**	**White**	Repeated UAV photogrammetry of three collapse features at Oberaargletscher, Switzerland - August 2022.
47	**Nicole**	**Clerx**	Modelling lateral meltwater flow atop the Greenland Ice Sheet's near-surface ice slabs
48	**Armin**	**Dachauer**	Anomalous mass gain of a tidewater outlet glacier with rapidly thinning ice sheet margin in Greenland
49	**Olaf**	**Eisen**	Greenland ice stream dynamics: short-lived and agile?
50	**Dominik**	**Gräff**	Distributed Subsea Fiber-Optical Sensing along the Calving Front of a Greenlandic Tidewater Glacier
51	**Huw**	**Horgan**	Subglacial drainage across Kamb Ice Stream's Grounding Zone, West Antarctica.
52	**Ladina**	**Steiner**	Combined GNSS reflectometry/refractometry for continuous in situ surface mass balance estimation on an Antarctic ice shelf
53	**Marijn**	**van der Meer**	Deep Learning Regional Climate Model Emulators: a 2 comparison of two downscaling approaches over the 3 Antarctic Peninsula